

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060223\
 Data File : VX035970.D
 Acq On : 02 Jun 2023 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2023
 Supervised By : Mahesh Dadoda 06/05/2023

Quant Time: Jun 02 15:50:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	194062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	354030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169682	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	171365	54.379	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.760%	
35) Dibromofluoromethane	5.379	113	118598	49.806	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.620%	
50) Toluene-d8	8.647	98	410692	48.057	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.120%	
62) 4-Bromofluorobenzene	11.079	95	174257	51.654	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.300%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	99928	47.129	ug/l	97
3) Chloromethane	1.294	50	111756	46.114	ug/l	97
4) Vinyl Chloride	1.374	62	103868	45.626	ug/l	98
5) Bromomethane	1.617	94	64930	43.305	ug/l	97
6) Chloroethane	1.691	64	65181	48.626	ug/l	100
7) Trichlorofluoromethane	1.886	101	155945	48.682	ug/l	96
8) Diethyl Ether	2.130	74	67345	48.408	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	91811	46.180	ug/l	99
10) Methyl Iodide	2.453	142	91472	39.085	ug/l	97
11) Tert butyl alcohol	3.014	59	146569	261.897	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	87709	45.051	ug/l	94
13) Acrolein	2.239	56	129791	240.766	ug/l	100
14) Allyl chloride	2.660	41	196230	49.031	ug/l	99
15) Acrylonitrile	3.068	53	345134	262.480	ug/l	99
16) Acetone	2.398	43	343788	264.435	ug/l	100
17) Carbon Disulfide	2.514	76	216831	44.447	ug/l	100
18) Methyl Acetate	2.703	43	271650	53.747	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	401542	52.652	ug/l	99
20) Methylene Chloride	2.788	84	117733	47.012	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	102599	46.101	ug/l	100
22) Diisopropyl ether	3.757	45	402999	51.769	ug/l	96
23) Vinyl Acetate	3.721	43	1511378	276.343	ug/l	99
24) 1,1-Dichloroethane	3.605	63	213011	49.336	ug/l	99
25) 2-Butanone	4.562	43	506357	272.121	ug/l	98
26) 2,2-Dichloropropane	4.471	77	170377	51.770	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	128295	48.031	ug/l	99
28) Bromochloromethane	4.891	49	126235	55.832	ug/l	99
29) Tetrahydrofuran	5.007	42	326053	271.913	ug/l	100
30) Chloroform	5.086	83	229369	51.577	ug/l	100
31) Cyclohexane	5.464	56	157802	47.827	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	188440	50.143	ug/l	100
36) 1,1-Dichloropropene	5.690	75	151337	47.666	ug/l	100
37) Ethyl Acetate	4.708	43	192152	54.344	ug/l	100
38) Carbon Tetrachloride	5.678	117	153524	49.620	ug/l	99
39) Methylcyclohexane	7.379	83	156944	47.378	ug/l	98
40) Benzene	6.037	78	446335	46.840	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	107553	53.620	ug/l	98
42) 1,2-Dichloroethane	6.080	62	205191	54.377	ug/l	100
43) Isopropyl Acetate	6.336	43	310906	53.476	ug/l	100
44) Trichloroethene	7.123	130	111034	44.918	ug/l	100
45) 1,2-Dichloropropane	7.427	63	123146	49.101	ug/l	99
46) Dibromomethane	7.580	93	89491	51.367	ug/l	99
47) Bromodichloromethane	7.818	83	175360	53.510	ug/l	100
48) Methyl methacrylate	7.690	41	157890	55.377	ug/l	99
49) 1,4-Dioxane	7.720	88	62449	956.356	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	979887	276.112	ug/l	100
52) Toluene	8.714	92	285787	47.705	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	191808	55.367	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	199604	52.177	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	124874	50.031	ug/l	97
56) Ethyl methacrylate	9.116	69	198762	53.265	ug/l	99
57) 1,3-Dichloropropane	9.305	76	217427	50.618	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	488975	250.081	ug/l	100
59) 2-Hexanone	9.433	43	736089	280.552	ug/l	100
60) Dibromochloromethane	9.518	129	127763	52.730	ug/l	100
61) 1,2-Dibromoethane	9.610	107	134124	52.564	ug/l	99
64) Tetrachloroethene	9.275	164	89905	42.016	ug/l	98
65) Chlorobenzene	10.079	112	318993	46.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	117579	48.657	ug/l	99
67) Ethyl Benzene	10.195	91	559907	45.789	ug/l	99
68) m/p-Xylenes	10.299	106	430090	92.712	ug/l	98
69) o-Xylene	10.640	106	217166	46.586	ug/l	96
70) Styrene	10.652	104	367818	48.832	ug/l	98
71) Bromoform	10.799	173	86308	51.572	ug/l #	99
73) Isopropylbenzene	10.963	105	544036	44.121	ug/l	98
74) N-amyl acetate	10.841	43	260916	48.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	198976	47.174	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	168080m	43.919	ug/l	
77) Bromobenzene	11.195	156	135615	44.475	ug/l	97
78) n-propylbenzene	11.305	91	642516	46.168	ug/l	98
79) 2-Chlorotoluene	11.366	91	406412	44.840	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	475823	45.770	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	55235	48.614	ug/l	97
82) 4-Chlorotoluene	11.451	91	471945	45.367	ug/l	98
83) tert-Butylbenzene	11.713	119	448066	45.114	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	485514	45.507	ug/l	99
85) sec-Butylbenzene	11.890	105	547555	46.479	ug/l	98
86) p-Isopropyltoluene	12.006	119	471672	46.830	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	256883	45.990	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	264500	44.951	ug/l	99
89) n-Butylbenzene	12.329	91	408612	48.021	ug/l	99
90) Hexachloroethane	12.536	117	74601	46.708	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	256680	46.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43196	49.624	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	148271	45.822	ug/l	100
94) Hexachlorobutadiene	13.725	225	53952	43.831	ug/l	98
95) Naphthalene	13.774	128	542540	48.173	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	146705	45.962	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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